

RECEIVED  
CENTRAL FAX CENTER

DEC 22 2004

## AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous listings of claims in this application.

1. (Currently Amended) A tubing assembly comprising:  
    conductive, metal corrugated tubing including convolutions of peaks and valleys;  
    a conductive polymer jacket disposed along a length of said corrugated tubing,  
    said conductive polymer jacket forming a conductive path from the jacket to the  
    corrugated tubing.
2. (Original) The tubing assembly of claim 1 wherein:  
    said corrugated tubing is annular.
3. (Original) The tubing assembly of claim 1 wherein:  
    said corrugated tubing is helical.
4. (Original) The tubing assembly of claim 1 wherein:  
    said polymer jacket is a thermoplastic polymer.
5. (Original) The tubing assembly of claim 4 wherein:  
    said thermoplastic polymer is a polyether-based polyurethane.
6. (Original) The tubing assembly of claim 4 wherein:  
    said thermoplastic polymer is a polyethylene.
7. (Original) The tubing assembly of claim 4 wherein:  
    said thermoplastic polymer has a minimum tensile strength of about 4000 psi.
8. (Original) The tubing assembly of claim 4 wherein said thermoplastic polymer has a  
    minimum elongation of about 300 %.

9. (Original) The tubing assembly of claim 4 wherein:

said thermoplastic polymer has a minimum flexural modulus of about 25,000 psi.

10. (Original) The tubing assembly of claim 4 wherein:

said thermoplastic polymer has a maximum volume resistivity of about  $7 \times 10^4$  ohm-cm.

11. (Original) The tubing assembly of claim 1 wherein:

wherein said conductive polymer jacket substantially fills said valleys and substantially covers said peaks.

12. (Currently Amended) The tubing assembly of claim 1 further comprising:

a metal fitting coupled to said corrugated tubing at an end thereof to form a conductive path between said metal fitting, said corrugated tubing and said conductive jacket.

13. (Currently Amended) A tubing assembly comprising:

conductive, metal corrugated tubing including convolutions of peaks and valleys;

a conductive thermoplastic polymer jacket disposed along a length of said corrugated tubing, said conductive polymer jacket forming a conductive path from said jacket to the corrugated tubing, said thermoplastic polymer has a minimum tensile strength of about 4000 psi, a minimum elongation of about 300 %, a minimum flexural modulus of about 25,000 psi and a maximum volume resistivity of about  $7 \times 10^4$  ohm-cm; and

a metal fitting coupled to said corrugated tubing at an end thereof to form a conductive path between said metal fitting, said corrugated tubing and said conductive jacket.